

Message

From: Froede, Carl [Froede.Carl@epa.gov]
Sent: 1/6/2021 5:59:47 PM
To: Amoroso, Cathy [Amoroso.Cathy@epa.gov]
Subject: EMWMF-EMDF FFS - Leachate/Contact water evaluation from FFS
Attachments: EMWMF Contact-Leachate data summary - 2005 to 2014 & Two years leachate data from EMWMF-EMDF FFS.pdf

Importance: High

Hi Cathy,

I have put together the attachment from various parts of the EMWMF-EMDF FFS. It is rather dated since the last time DOE analyzed the leachate was in 2014.

The text that I think is important is highlighted in yellow and was extracted from pages in the document. The latter part of this file has the leachate analytes collected over a two-year period and the number of times the compound/metal/contaminant was detected. There is now more hazardous waste in the waste cells and the concentrations and list of leachate contaminants would need to be expanded (or contracted) based on the wastes contributing to the leachate.

Bottom line – if a wastewater treatment system is to be built at the EMDF and the leachate from the EMWMF and EMDF is to be treated to an acceptable regulated level then it will be an expensive system if it discharges wastewater into the small-sized Bear Creek. Economically, it would be better to take the treated wastewater to a larger point of discharge (White Oak Creek or Clinch River). Bear Creek is already posted for PCBs and mercury – adding a suite of radionuclides would only further adversely impact Bear Creek.

FYI,

Carl